

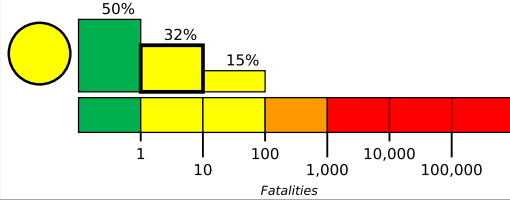
M 5.7, 40 km NE of Dipayal, Nepal

Origin Time: 2023-10-03 09:21:04 UTC (Tue 15:06:04 local)

Location: 29.4987° N 81.2530° E Depth: 20.1 km

Created: 1 day, 0 hours after earthquake

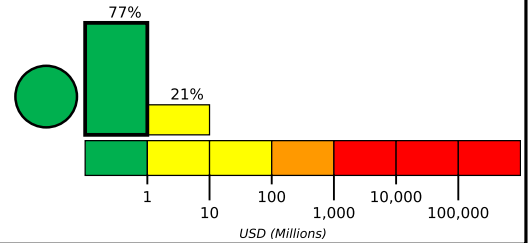
Estimated Fatalities



Yellow alert for shaking-related fatalities. Some casualties are possible and the impact should be relatively localized. Past events with this alert level have required a local or regional level response.

Green alert for economic losses. There is a low likelihood of damage.

Estimated Economic Losses

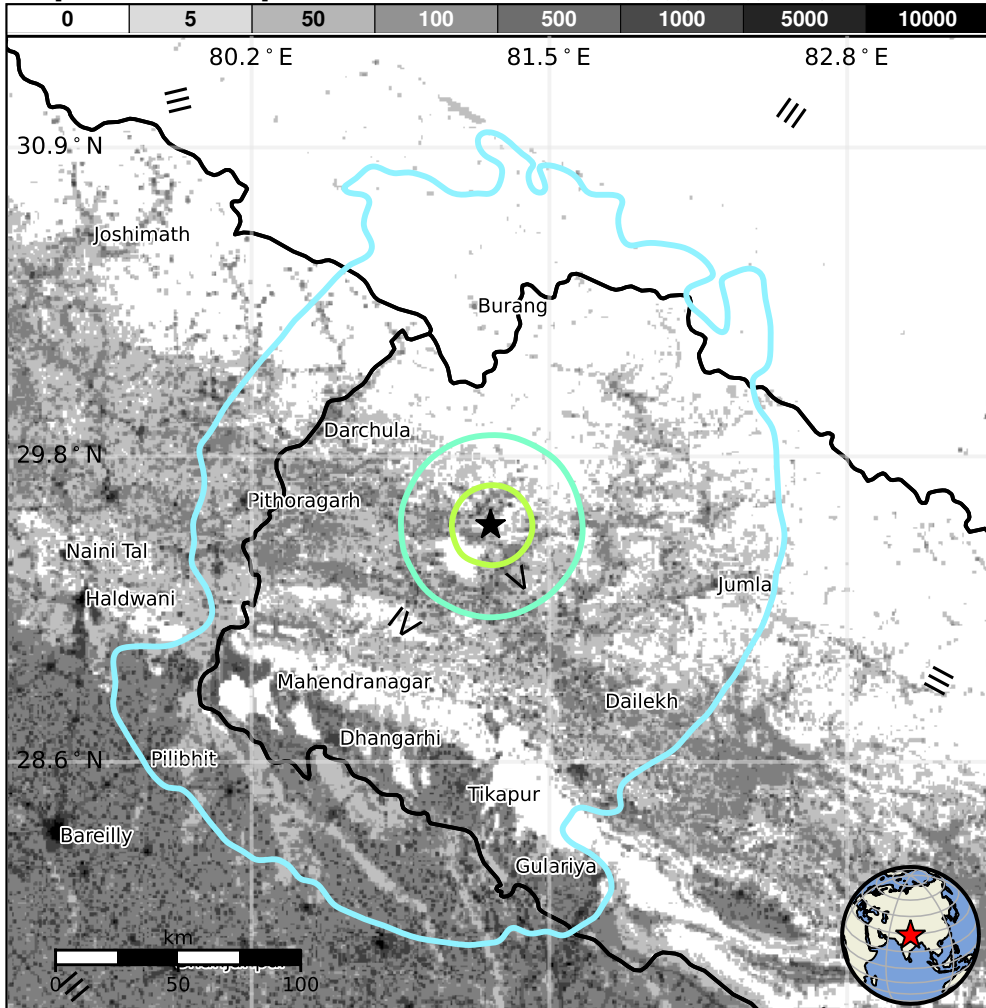


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)	—*	20,415k*	11,429k	392k	135k	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY	I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING	Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy

*Estimated exposure only includes population within the map area.

Population Exposure



Structures

Overall, the population in this region resides in structures that are highly vulnerable to earthquake shaking, though some resistant structures exist. The predominant vulnerable building types are adobe block and unreinforced brick with mud construction.

Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1975-07-19	370	5.3	VII(2k)	2
1999-03-28	209	6.5	VIII(7k)	100
1991-10-19	274	6.8	VIII(60k)	2k

Recent earthquakes in this area have caused secondary hazards such as landslides that might have contributed to losses.

Selected City Exposure

from GeoNames.org

MMI	City	Population
V	Dipayal	23k
IV	Achham	<1k
IV	Dadeldhura	19k
IV	Tikapur	45k
IV	Dhangarhi	92k
IV	Burang	5k
IV	Birendranagar	31k
III	Lakhimpur	140k
III	Haldwani	139k
III	Bareilly	745k
III	Shahjanpur	320k

PAGER content is automatically generated, and only considers losses due to structural damage.

Limitations of input data, shaking estimates, and loss models may add uncertainty.

<https://earthquake.usgs.gov/earthquakes/eventpage/us6000lchgj#pager>

bold cities appear on map.

(k = x1000)

Event ID: us6000lchgj